

BB 865

# I007107

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## Memorandum

To : Mr. Dave Crane, Supervisor  
Water Pollution Control Laboratory

Date : May 27, 1997

From : Department of Fish and Game

Subject: Report of Fish and Wildlife Incidents Involving Pesticides for Calendar Year 1997

During 1997, staff from the Pesticide Investigations Unit (PIU) of the Department of Fish and Game investigated 10 fish losses and 57 wildlife losses throughout California for possible non-target impacts of pesticides. Approximately 20% of the fish losses involved exposure to pesticides or ammonia, and 27% of the wildlife losses involved exposure to pesticides. The average number of individuals involved in a wildlife incident was less than 10 during 1997. Fish losses during 1997 involved at least 1,000 individuals per incident. One loss involved approximately 10,000,000 fish. The anticoagulant brodifacoum was associated with 67% of all wildlife losses involving pesticides during 1997. A summary of all pesticide related fish and wildlife losses can be found in the accompanying table. No other incidents involved pesticides to our knowledge. Please include this data in the Department's annual report of fish and wildlife losses.

Please call me at (916) 358-2950 if you need additional information or clarification.



Brian Finlayson, Chief  
Pesticide Investigations Unit

cc: Mr. Chuck Andrews, Chief  
Pesticide Enforcement Branch  
Department of Pesticide Regulation  
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Sacramento, CA 95814-5624

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U.S. Environmental Protection Agency  
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Mail Code 7507C  
Washington, D.C. 20460

Attachment

TSB recd  
6/4/98

1082

**California Department of Fish and Game  
1997 Wildlife/Fish Loss Accession Inventory**

	P#	DATE	SPECIES (#)	CHEMICAL	CERTAINTY INDEX <sup>1</sup>	COUNTY
-001	P-1849	1/23/97	MALLARD (3)	STRYCHNINE	1	MONO
-002	P-1850	2/06/97	MALLARD (2)	DIAZINON	1	SANTA CLARA
-003	P-1853	2/07/97	GAMBUSIA (1,000+)	CYPERMETHRIN	1	PLACER
-004	P-1864	5/16/97	GOLDEN EAGLE (1)	BRODIFACOU	1	SANTA CLARA
-005	P-1867	4/12/97	MOUNTAIN LION (1)	BRODIFACOU	1	RIVERSIDE
-006	P-1889	7/19/97	GEESE (3) (goslings) (SPECIES UNK.)	DIAZINON CHLORPYRIFOS	1 1	SANTA CRUZ
-007	P-1892	7/29/97	TURKEY VULTURE (1)	DIPHACINONE	3	ALAMEDA
-008	P-1895	8/12/97	RED FOX (1) (yearling) RED FOX (1) (kit)	BRODIFACOU	1 2	FRESNO
-009	P-1897	8/15/97	COYOTE (1)	BRODIFACOU	1	LOS ANGELES
-010	P-1903	9/4-8/97	CATFISH (2,000) BLACKFISH (5,000) CARP (100,000) GAMBUSIA SP. (200,000) THREADFIN SHAD (10,000,000)	AMMONIA	2	TULARE/KINGS
-011	P-1904	8/15/97	COYOTE (1)	BRODIFACOU	1	LOS ANGELES
-012	P-1908	9/12/97	COYOTE (1)	BRODIFACOU	1	LOS ANGELES
-013	P-1915A	9/30/97	COYOTE (1)	DIPHACINONE	3	LOS ANGELES
-014	P-1915B	10/09/97	COYOTE (1)	BRODIFACOU DIPHACINONE	1 1	VENTURA
-015	P-1926A	12/12/97	COYOTE (1)	BRODIFACOU	1	LOS ANGELES
-016	P-1926B	12/13/97	BOBCAT (1)	BRODIFACOU	1	VENTURA
-017	P-1927	11/12/97	GOLDEN EAGLE N (1)	BRODIFACOU LEAD	1 3	ALAMEDA

<sup>1</sup>Certainty Index: level of confidence that listed pesticide was cause.

(1) highly probable

(2) probable

(3) possible

(4) unlikely

(5) unrelated